

CCR # 96-0296B ECS RTM changes based on
GSFC CCR #505-01-41-064
Title: Eliminate DAR requirements for SDPS

F&PRS to RBR to L4 traceability

L3 paragraph_id	text	req_key	RBR paragraph_id	req_key	text	L4 paragraph_id	req_key	text
EOSD1720	_ECS elements shall receive from the ECS user community the following types of data requests at a minimum: a._Data Acquisition Requests <u>for the ASTER Instrument</u> b._Data Distribution Requests c._Reprocessing Requests –	50	EOSD1720#B	3874	ECS elements shall receive from the ECS user community the following types of data requests at a minimum: a. Data Acquisition Requests <u>for the ASTER Instrument</u> b. Data Distribution Requests c. Reprocessing Requests	S-DSS-30260	3836	The DDIST CI shall log the receipt of a Data Distribution Request in the Distribution Activity Log.
						S-PLS-00010	4221	The PLANG CI shall accept Production Requests for specific Data Products with associated time window that are to be routinely generated.

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						S-DPS-60135	4682	The SPRHW CI design and implementation shall have the flexibility to accommodate Science Processing expansion up to a factor of 3 in its capacity with no change in its design and up to a factor of 10 without major changes to its design.
						S-PLS-00070	9032	The PLANG CI shall accept Production Requests for reprocessing of Data Products from currently available input data.
						S-DSS-30020	9143	Distribution Requests shall have the format described in Appendix J of the current version of 304-CD-002 for Release A and as specified in Appendix K of the current version of 304-CD-005 for Release B.

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						S-DSS-30030	9144	The DDIST CI shall validate each Electronic Distribution Request and verify that the format conforms to that specified in Appendix A of the current version of 304-CD-002 for Release A and as specified in Appendix K of the current version of 304-CD-005 for Release B.
						S-DSS-30060	9145	The DDIST CI shall validate each Media Distribution Request and verify that it conforms to the format specified in Appendix A of the current version of 304-CD-002 for Release A and as specified in Appendix K of the current version of 304-CD-005 for Release B.
			EOSD1720#A	4835	ECS elements shall receive from the ECS user community the following types of data requests at a minimum: b. Data Distribution Requests c. Reprocessing Requests	S-DSS-30260	3836	The DDIST CI shall log the receipt of a Data Distribution Request in the Distribution Activity Log.

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						S-DSS-30060	9145	The DDIST CI shall validate each Media Distribution Request and verify that it conforms to the format specified in Appendix A of the current version of 304-CD-002 for Release A and as specified in Appendix K of the current version of 304-CD-005 for Release B.

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EOSD3950	<u>The SDPS function of ASTER Instrument Data Acquisition Request (DAR) Submittal including TOOs shall have an operational availability of 0.993 at a minimum (.999999 design goal) and an MDT of two (2) hours or less (6 minutes design goal).</u>	94	EOSD3950#B	3919	The SDPS function of <u>ASTER Instrument Data Acquisition Request (DAR) Submittal including TOOs shall have an operational availability of 0.993 at a minimum (.999999 design goal) and an MDT of two (2) hours or less (6 minutes design goal).</u>			
			EOSD3950#A	5127	The SDPS function of <u>ASTER Instrument Data Acquisition Request (DAR) Submittal including TOOs shall have an operational availability of 0.993 at a minimum (.999999 design goal) and an MDT of two (2) hours or less (6 minutes design goal).</u>			
IMS-1110	<u>The IMS shall provide the capability to receive a product request from the user and determine the instrument(s) required for the data acquisition.</u>	-965	IMS-1110#B	-5302	<u>The IMS shall provide the capability to receive a product request from the user and determine the instrument(s) required for the data acquisition.</u>	S-CLS-14450	8295	The WKBCH CI shall provide the capability for users to construct a Product Request associated with a DAR.

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IMS-1120	_IMS shall provide the capability to receive a geophysical parameter specification from the user and determine the instrument(s) required for the data acquisition.	966	IMS-1120#B	5303	IMS shall provide the capability to receive a geophysical parameter specification from the user and determine the instrument(s) required for the data acquisition.	S-CLS-13850	8269	The WKBCH CI shall provide users the capability to access the Guide during DAR formulation and submittal.
IMS-1130	_The IMS shall provide descriptive information on instruments and parameters available in Standard Products to help with the creation of data acquisition requests <u>for the ASTER</u> .	967	IMS-1130#B	5305	The IMS shall provide descriptive information on instruments and parameters available in Standard Products to help with the creation of data acquisition requests <u>for the ASTER</u> .	S-CLS-13850	8269	The WKBCH CI shall provide users the capability to access the Guide during DAR formulation and submittal.
IMS-1140	_The IMS shall provide <u>ASTER</u> instrument specific graphic displays to help with the creation of data acquisition requests, which shall include at a minimum: a._Geographic reference aids b._Spacecraft location projections –	968	IMS-1140#B	5307	The IMS shall provide <u>ASTER</u> instrument specific graphic displays to help with the creation of data acquisition requests, which shall include at a minimum: a. Geographic reference aids b. Spacecraft location projections	S-CLS-13870	8271	The WKBCH CI shall provide visualizations of ASTER instrument nominal view swaths and non-nominal view swaths based on user supplied angle as a reference aid the creation of ASTER DARs.
						S-CLS-14420	8292	Geographic selection criteria for DARs shall be synchronized so that selection of an area on a DAR map display will be translated into lat/lon coordinates in a DAR submissions window.

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						S-CLS-14430	8293	Geographic selection criteria for DARs shall be synchronized so that typing lat/lon coordinates in a DAR submission window will be graphically displayed as a blocked out area on a DAR map display.
						S-CLS-13860	9578	The WKBCH CI shall provide EOS-AM spacecraft location projections as a reference aid to the creation of ASTER Data Acquisition Requests
IMS-1190	The IMS shall validate DAR parameters against EOC and ICC provided constraints.	973	IMS-1190#B	5315	The IMS shall validate DAR parameters against EOC and ICC provided constraints.	S-CLS-13890	8273	The WKBCH CI shall provide users the capability to view Valid Values for DAR Parameters.
						S-CLS-13900	8274	The WKBCH CI shall constraint check and validate DAR Parameters.
						S-DMS-20900	8574	The DDICT CI shall maintain DAR parameters and DAR parameter constraints provided by EOC and External Instrument Operations Facilities (e.g. Landsat-7).

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IMS-1200	_The IMS shall forward DARs for specific observational sequences generated by an authorized user to the ICC.	975	IMS-1200#B	5318	The IMS shall forward DARs for specific observational sequences generated by an authorized user to the ICC.	S-CLS-15990	8331	The WKBCH CI shall send DARs for ASTER observational sequence: to the ASTER GDS.
IMS-1262	_The IMS shall provide the capability to <u>request and</u> receive the ASTER GDS data acquisition request status in accordance with applicable IRDs and ICDs and provide the status to the data acquisition requester.	983	IMS-1262#B	5330	The IMS shall provide the capability to <u>request and</u> receive the ASTER GDS data acquisition request status in accordance with applicable IRDs and ICDs and provide the status to the data acquisition requester.	S-DSS-04750	8858	The SDSRV CI shall accept DAR Status from IPs
						S-DSS-04780	8861	The SDSRV CI shall receive DAR Status from the ASTER ICC.

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IMS-1070	<p>The IMS shall provide the capability for users to construct DARS for collection of EOS <u>ASTER Instrument</u> data which shall contain the following information at a minimum:</p> <p>_a._Observation number _b._Experimenter identification _c._Experimenter address _d._Investigation identification _e._Scientific discipline _f._Observation repetition period _g._Tolerance in observation time _h._User priority _i._Scheduling priority and target of opportunity flag _j._Descriptive text _k._Location data expressed in terms of longitude and latitude as earliest _l._start coordinates and latest stop coordinates _l._Earliest start time _m._Latest stop time _n._Minimum coverage required _o._Maximum coverage desired _p._Number of instruments involved in the investigation _q._Which instruments are involved in the investigation</p>	1432	IMS-1070#B	5291	<p>The IMS shall provide the capability for users to construct DARS for collection of EOS <u>ASTER Instrument</u> data which shall contain the following information at a minimum:</p> <p>a. Observation number b. Experimenter identification c. Experimenter address d. Investigation identification e. Scientific discipline f. Observation repetition period g. Tolerance in observation time h. User priority i. Scheduling priority and target of opportunity flag j. Descriptive text k. Location data expressed in terms of longitude and latitude as earliest start coordinates and latest stop coordinates l. Earliest start time m. Latest stop time n. Minimum coverage required o. Maximum coverage desired p. Number of instruments involved in the investigation q. Which instruments are involved in the investigation</p>	S-CLS-13790	8263	The WKBCH CI shall provide users the capability to parameter ASTER DARS with ASTER DAR Parameters

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						S-CLS-14400	8290	Time-related data for DARs shall be synchronized so that selection of a time range on a DAR timeline tool will be translated into date/time ranges in a DAR submission window.
						S-CLS-14410	8291	Time-related data for DARs shall be synchronized so that typing a date/time range in a DAR submission window will be graphically display as a blocked out time range a DAR timeline window.
						S-CLS-14420	8292	Geographic selection criteria for DARs shall be synchronized so that selection of an area on DAR map display will be translated into lat/lon coordinates in a DAR submissions window.

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						S-CLS-14430	8293	Geographic selection criteria for DARs shall be synchronized so that typing lat/lon coordinates in a DAR submission window will be graphically displayed a blocked out area on a DAR map display.
IMS-1090	The IMS shall accept requests for changes to existing <u>ASTER</u> DARs from the requester and forward the changes to the ICC . <u>ASTER GDS</u> .	1434	IMS-1090#B	5297	The IMS shall accept requests for changes to existing <u>ASTER</u> DARs from the requester and forward the changes to the ICC . <u>ASTER GDS</u> .	S-CLS-13820	8266	The WKBCH CI shall accept Service Request for changes to existing DARs from the science user.
IMS-1230	The IMS shall accept from the <u>ASTER GDS</u> ICC and provide to the requester such information as data acquisition request confirmation or rejection, and notification of data acquisition request scheduling and completion, to include at a minimum: a. Date and time b. Instrument ID c. Data acquisition request ID d. Request status e. Implementation schedule f. If rejection, then the reason for the rejection	1436	IMS-1230#B	5321	The IMS shall accept from the <u>ASTER GDS</u> ICC and provide to the requester such information as data acquisition request confirmation or rejection, and notification of data acquisition request scheduling and completion, to include at a minimum: a. Date and time b. Instrument ID c. Data acquisition request ID d. Request status e. Implementation schedule f. If rejection, then the reason for the rejection	S-CLS-13920	8275	The WKBCH CI shall provide DAR Disposition in response to the submittal of a DAR. This may be e-mail notification.

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						S-DSS-04740	8856	The SDSRV CI shall provide DAR status to client, in response to DAR Status Requests.
						S-DSS-04770	8860	The SDSRV CI shall send DAR Status Requests to ASTER ICC.
IMS-1260	_The IMS shall <u>be expandable to</u> provide the capability to receive, from the IP Information Management System or an equivalent IP facility, data acquisition request status in accordance with applicable MOUs and provide the status to the data acquisition requester.	1437	IMS-1260#B	5325	The IMS shall <u>be expandable to</u> provide the capability to receive, from the IP Information Management System or an equivalent IP facility, data acquisition request status in accordance with applicable MOUs and provide the status to the data acquisition requester.	S-CLS-16000	8332	The WKBCH CI shall provide a capability for users to request status of ASTER DARs.
						S-CLS-16010	8333	The WKBCH CI shall be capable of displaying the status of ASTER DARs to the user.
IMS-1320	_The IMS shall provide the capability to accept, from <u>ASTER instrument</u> data acquisition requesters, data acquisition status requests, retrieve the request status, and display the status to the requester.	1442	IMS-1320#B	5338	The IMS shall provide the capability to accept, from <u>ASTER instrument</u> data acquisition requesters, data acquisition status requests, retrieve the request status, and display the status to the requester.	S-CLS-13940	8277	The WKBCH CI shall display DAR status when requested by users.